

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505444

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505444
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-97)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

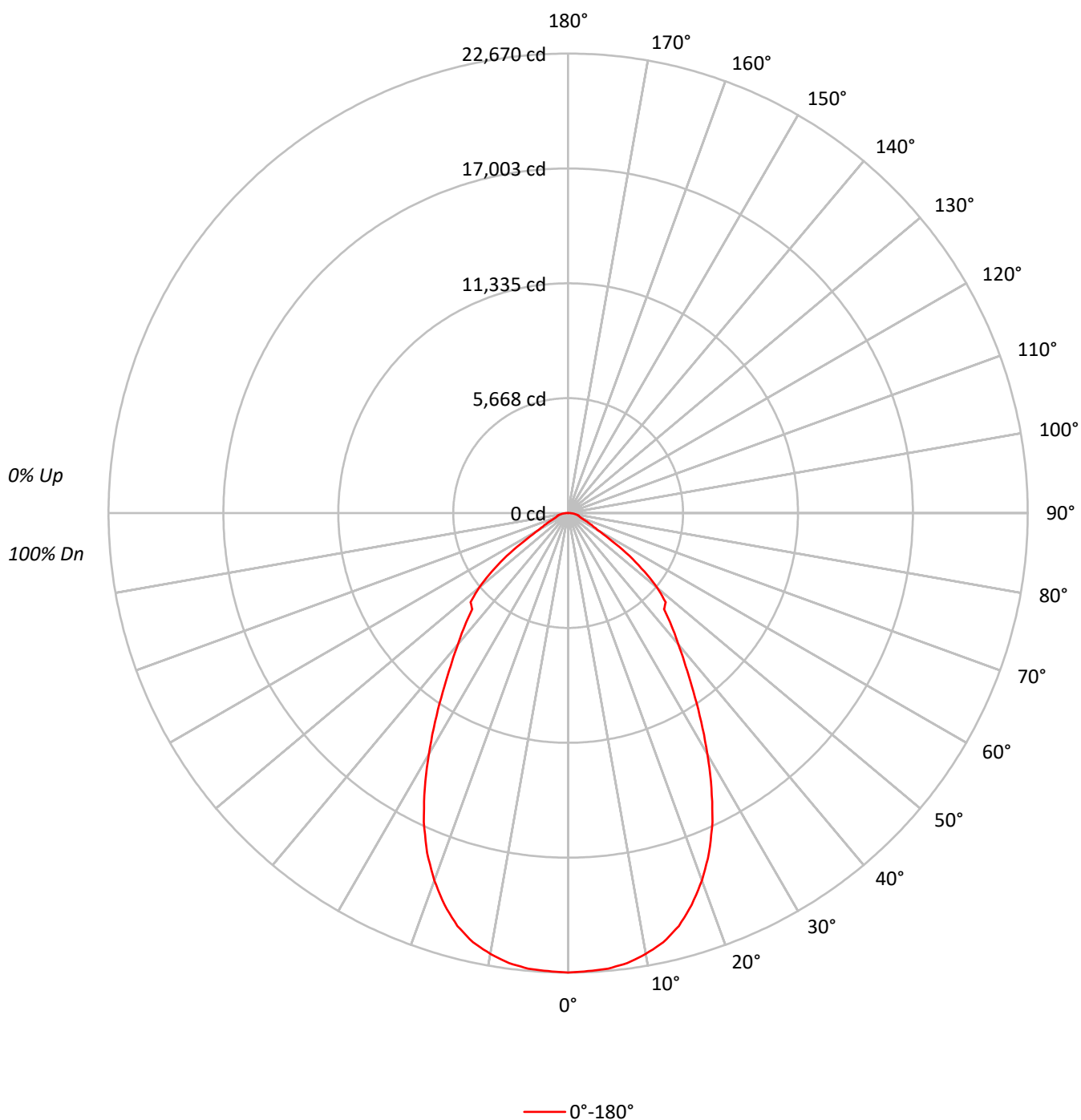
Lumens per Lamp: N/A
Luminaire Lumens: 32988.3 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	162360
5°	162228
10°	160612
15°	156392
20°	146981
25°	133022
30°	113551
35°	94184
40°	79118
45°	67758
50°	64047
55°	46142
60°	24077
65°	18045
70°	13923
75°	14956
80°	16922
85°	17675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 69169 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2138.7	6.5
10°-20°	5893.5	17.9
20°-30°	7654.5	23.2
30°-40°	6781.2	20.6
40°-50°	5368.5	16.3
50°-60°	3264.3	9.9
60°-70°	1087.9	3.3
70°-80°	569.5	1.7
80°-90°	230.1	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15686.8	47.6
0°-40°	22468.0	68.1
0°-60°	31100.7	94.3
0°-90°	32988.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32988.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22670	
5°	22565	###
15°	21093	5894
25°	16833	7655
35°	10772	6781
45°	6690	5369
55°	3695	3264
65°	1065	1088
75°	540	570
85°	215	230
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22670.0
2.5°	22621.2
5°	22565.4
7.5°	22391.0
10°	22085.3
12.5°	21691.2
15°	21092.6
17.5°	20268.4
20°	19285.0
22.5°	18157.4
25°	16833.4
27.5°	15307.1
30°	13730.8
32.5°	12208.0
35°	10772.4
37.5°	9515.8
40°	8462.6
42.5°	7541.9
45°	6689.9
47.5°	6524.8
50°	5748.3
52.5°	4742.8
55°	3695.4
57.5°	2560.9
60°	1680.9
62.5°	1351.9
65°	1064.8
67.5°	820.7
70°	664.9
72.5°	591.7
75°	540.5
77.5°	487.1
80°	410.3
82.5°	318.5
85°	215.1
87.5°	106.9
90°	0.0

(END OF REPORT)